

- 2 -

ZAUDERER *et al.*
Appl. N. 09/824,787**Amendments****In the Claims:**

Please cancel claims 1-37

Please add the following new claims 38-166:

38 (New). An isolated polypeptide not more than 100 amino acids in length comprising at least one C35 peptide epitope selected from the group consisting of: amino acids S-9 to V-17 of SEQ ID NO:2, amino acids V-10 to V-17 of SEQ ID NO:2, amino acids E-16 to V-23 of SEQ ID NO:2, amino acids E-16 to R-24 of SEQ ID NO:2, amino acids E-16 to I-25 of SEQ ID NO:2, amino acids S-21 to Y-29 of SEQ ID NO:2, amino acids S-21 to F-35 of SEQ ID NO:2, amino acids G-22 to C-30 of SEQ ID NO:2, amino acids I-25 to C-30 of SEQ ID NO:2, amino acids C-30 to T-38 of SEQ ID NO:2, amino acids E-31 to Y-39 of SEQ ID NO:2, amino acids E-36 to A-43 of SEQ ID NO:2, amino acids A-37 to A-45 of SEQ ID NO:2, amino acids A-37 to V-46 of SEQ ID NO:2, amino acids T-38 to V-46 of SEQ ID NO:2, amino acids Y-39 to V-46 of SEQ ID NO:2, amino acids S-44 to I-53 of SEQ ID NO:2, amino acids A-45 to I-53 of SEQ ID NO:2, amino acids G-52 to L-59 of SEQ ID NO:2, amino acids E-54 to T-62 of SEQ ID NO:2, amino acids S-57 to F-75 of SEQ ID NO:2, amino acids R-58 to I-67 of SEQ ID NO:2, amino acids G-61 to I-69 of SEQ ID NO:2, amino acids G-63 to F-83 of SEQ ID NO:2, amino acids F-65 to L-73 of SEQ ID NO:2, amino acids E-66 to L-73 of SEQ ID NO:2, amino acids E-66 to V-74 of SEQ ID NO:2, amino acids I-67 to F-75 of SEQ ID NO:2, amino

Sub
F1

E1

- 3 -

ZAUDERER *et al.*
Appl. No. 09/824,787

Sub
Fi

acids K-77 to Y-85 of SEQ ID NO:2, amino acids Q-72 to E-86 of SEQ ID NO:2, amino acids G-81 to L-89 of SEQ ID NO:2, amino acids F-83 to E-103 of SEQ ID NO:2, amino acids D-88 to A-96 of SEQ ID NO:2, amino acids L-89 to A-96 of SEQ ID NO:2, amino acids A-92 to T-101 of SEQ ID NO:2, amino acids R-95 to L-102 of SEQ ID NO:2, amino acids A-96 to K-104 of SEQ ID NO:2, amino acids K-104 to C-112 of SEQ ID NO:2, amino acids K-104 to V-113 of SEQ ID NO:2, amino acids I-105 to V-113 of SEQ ID NO:2, amino acids I-105 to I-114 of SEQ ID NO:2.

39 (New). An isolated polypeptide according to claim 38, wherein said polypeptide is not more than 90 amino acids in length.

40 (New). An isolated polypeptide according to claim 38, wherein said polypeptide is not more than 80 amino acids in length.

E1

41 (New). An isolated polypeptide according to claim 38, wherein said polypeptide is not more than 70 amino acids in length.

42 (New). An isolated polypeptide according to claim 38, wherein said polypeptide is not more than 60 amino acids in length.

43 (New). An isolated polypeptide according to claim 38, wherein said polypeptide is not more than 50 amino acids in length.

- 4 -

ZAUDERER *et al.*
Appl. No. 09/824,787

44 (New). An isolated polypeptide according to claim 38, wherein said polypeptide is not more than 40 amino acids in length.

45 (New). An isolated polypeptide according to claim 38, wherein said polypeptide is not more than 30 amino acids in length.

46 (New). An isolated polypeptide according to claim 38, wherein said polypeptide is not more than 20 amino acids in length.

47 (New). An isolated polypeptide according to claim 38, wherein said C35 peptide epitope is amino acids S-9 to V-17 of SEQ ID NO:2.

48 (New). An isolated polypeptide according to claim 38, wherein said C35 peptide epitope is amino acids V-10 to V-17 of SEQ ID NO:2.

49 (New). An isolated polypeptide according to claim 38, wherein said C35 peptide epitope is amino acids E-16 to V-23 of SEQ ID NO:2.

50 (New). An isolated polypeptide according to claim 38, wherein said C35 peptide epitope is amino acids E-16 to R-24 of SEQ ID NO:2.

51 (New). An isolated polypeptide according to claim 38, wherein said C35 peptide epitope is amino acids E-16 to I-25 of SEQ ID NO:2.

52 (New). An isolated polypeptide according to claim 38, wherein said C35 peptide epitope is amino acids S-21 to Y-29 of SEQ ID NO:2.

53 (New). An isolated polypeptide according to claim 38, wherein said C35 peptide epitope is amino acids S-21 to F-35 of SEQ ID NO:2.

54 (New). An isolated polypeptide according to claim 38, wherein said C35 peptide epitope is amino acids G-22 to C-30 of SEQ ID NO:2.

55 (New). An isolated polypeptide according to claim 38, wherein said C35 peptide epitope is amino acids I-25 to C-30 of SEQ ID NO:2.

E/nt
56 (New). An isolated polypeptide according to claim 38, wherein said C35 peptide epitope is amino acids C-30 to T-38 of SEQ ID NO:2.

57 (New). An isolated polypeptide according to claim 38, wherein said C35 peptide epitope is amino acids E-31 to Y-39 of SEQ ID NO:2.

58 (New). An isolated polypeptide according to claim 38, wherein said C35 peptide epitope is amino acids E-36 to A-43 of SEQ ID NO:2.


59 (New). An isolated polypeptide according to claim 38, wherein said C35 peptide epitope is amino acids A-37 to A-45 of SEQ ID NO:2.

60 (New). An isolated polypeptide according to claim 38, wherein said C35 peptide epitope is amino acids Y-39 to V-46 of SEQ ID NO:2.

61 (New). An isolated polypeptide according to claim 38, wherein said C35 peptide epitope is amino acids S-44 to I-53 of SEQ ID NO:2.

62 (New). An isolated polypeptide according to claim 38, wherein said C35 peptide epitope is amino acids A-45 to I-53 of SEQ ID NO:2.

63 (New). An isolated polypeptide according to claim 38, wherein said C35 peptide epitope is amino acids G-52 to L-59 of SEQ ID NO:2.

 64 (New). An isolated polypeptide according to claim 38, wherein said C35 peptide epitope is amino acids E-54 to T-62 of SEQ ID NO:2.

65 (New). An isolated polypeptide according to claim 38, wherein said C35 peptide epitope is amino acids S-57 to F-75 of SEQ ID NO:2.

66 (New). An isolated polypeptide according to claim 38, wherein said C35 peptide epitope is amino acids G-61 to I-69 of SEQ ID NO:2.

67 (New). An isolated polypeptide according to claim 38, wherein said C35 peptide epitope is amino acids F-65 to L-73 of SEQ ID NO:2.

- 7 -

ZAUDERER *et al.*
Appl. No. 09/824,787

68 (New). An isolated polypeptide according to claim 38, wherein said C35 peptide epitope is amino acids E-66 to L-73 of SEQ ID NO:2.

69 (New). An isolated polypeptide according to claim 38, wherein said C35 peptide epitope is amino acids E-66 to V-74 of SEQ ID NO:2.

70 (New). An isolated polypeptide according to claim 38, wherein said C35 peptide epitope is amino acids I-67 to R-75 of SEQ ID NO:2.

71 (New). An isolated polypeptide according to claim 38, wherein said C35 peptide epitope is amino acids K-77 to Y-85 of SEQ ID NO:2.

72 (New). An isolated polypeptide according to claim 38, wherein said C35 peptide epitope is amino acids Q-72 to E-86 of SEQ ID NO:2.

73 (New). An isolated polypeptide according to claim 38, wherein said C35 peptide epitope is amino acids G-81 to L-89 of SEQ ID NO:2.

74 (New). An isolated polypeptide according to claim 38, wherein said C35 peptide epitope is amino acids F-83 to E-103 of SEQ ID NO:2.

75 (New). An isolated polypeptide according to claim 38, wherein said C35 peptide epitope is amino acids D-88 to A-96 of SEQ ID NO:2.

- 8 -

ZAUDERER *et al.*
Appl. No. 09/824,787

76 (New). An isolated polypeptide according to claim 38, wherein said C35 peptide epitope is amino acids L-89 to A-96 of SEQ ID NO:2.

77 (New). An isolated polypeptide according to claim 38, wherein said C35 peptide epitope is amino acids R-95 to L-102 of SEQ ID NO:2.

78 (New). An isolated polypeptide according to claim 38, wherein said C35 peptide epitope is amino acids A-96 to K-104 of SEQ ID NO:2.

79 (New). An isolated polypeptide according to claim 38, wherein said C35 peptide epitope is amino acids K-104 to C-112 of SEQ ID NO:2.

ELP
80 (New). An isolated polypeptide according to claim 38, wherein said C35 peptide epitope is amino acids K-104 to V-113 of SEQ ID NO:2.

81 (New). An isolated polypeptide according to claim 38, wherein said C35 peptide epitope is amino acids I-105 to V-113 of SEQ ID NO:2.

82 (New). An isolated polypeptide according to claim 38, wherein said C35 peptide epitope is amino acids I-105 to I-114 of SEQ ID NO:2.

- 9 -

ZAUDERER *et al.*
Appl. No. 09/824,787

83 (New). A fusion protein comprising at least one C35 peptide epitope,
wherein said at least one C35 peptide epitope is a peptide epitope listed in any of Tables
1-6.

84 (New). A fusion protein comprising at least one C35 peptide epitope,
wherein said at least one C35 peptide epitope is a peptide epitope selected from the group
consisting of: amino acids S-9 to V-17 of SEQ ID NO:2, amino acids V-10 to V-17 of
SEQ ID NO:2, amino acids E-16 to V-23 of SEQ ID NO:2, amino acids E-16 to R-24 of
SEQ ID NO:2, amino acids E-16 to I-25 of SEQ ID NO:2, amino acids S-21 to Y-29 of
SEQ ID NO:2, amino acids S-21 to F-35 of SEQ ID NO:2, amino acids G-22 to C-30 of
SEQ ID NO:2, amino acids I-25 to C-30 of SEQ ID NO:2, amino acids C-30 to T-38 of
SEQ ID NO:2, amino acids E-31 to Y-39 of SEQ ID NO:2, amino acids E-36 to A-43 of
SEQ ID NO:2, amino acids A-37 to A-45 of SEQ ID NO:2, amino acids A-37 to V-46 of
SEQ ID NO:2, amino acids T-38 to V-46 of SEQ ID NO:2, amino acids Y-39 to V-46 of
SEQ ID NO:2, amino acids S-44 to I-53 of SEQ ID NO:2, amino acids A-45 to I-53 of
SEQ ID NO:2, amino acids G-52 to L-59 of SEQ ID NO:2, amino acids E-54 to T-62 of
SEQ ID NO:2, amino acids S-57 to F-75 of SEQ ID NO:2, amino acids R-58 to I-67 of
SEQ ID NO:2, amino acids G-61 to I-69 of SEQ ID NO:2, amino acids G-63 to F-83 of
SEQ ID NO:2, amino acids F-65 to L-73 of SEQ ID NO:2, amino acids E-66 to L-73 of
SEQ ID NO:2, amino acids E-66 to V-74 of SEQ ID NO:2, amino acids I-67 to F-75 of
SEQ ID NO:2, amino acids K-77 to Y-85 of SEQ ID NO:2, amino acids Q-72 to E-86 of
SEQ ID NO:2, amino acids G-81 to L-89 of SEQ ID NO:2, amino acids F-83 to E-103 of
SEQ ID NO:2, amino acids D-88 to A-96 of SEQ ID NO:2, amino acids L-89 to A-96 of

Sub
F2

E1

- 10 -

ZAUDERER *et al.*
Appl. N. 09/824,787Sub
F2

SEQ ID NO:2, amino acids A-92 to T-101 of SEQ ID NO:2, amino acids R-95 to L-102
of SEQ ID NO:2, amino acids A-96 to K-104 of SEQ ID NO:2, amino acids K-104 to C-
112 of SEQ ID NO:2, amino acids K-104 to V-113 of SEQ ID NO:2, amino acids I-105
to V-113 of SEQ ID NO:2, amino acids I-105 to I-114 of SEQ ID NO:2.

85 (New). A fusion protein according to claim 84, wherein said C35 peptide
epitope is amino acids S-9 to V-17 of SEQ ID NO:2.

86 (New). A fusion protein according to claim 84, wherein said C35 peptide
epitope is amino acids V-10 to V-17 of SEQ ID NO:2.

87 (New). A fusion protein according to claim 84, wherein said C35 peptide
epitope is amino acids E-16 to V-23 of SEQ ID NO:2.

E1

88 (New). A fusion protein according to claim 84, wherein said C35 peptide
epitope is amino acids E-16 to R-24 of SEQ ID NO:2.

89 (New). A fusion protein according to claim 84, wherein said C35 peptide
epitope is amino acids E-16 to I-25 of SEQ ID NO:2.

90 (New). A fusion protein according to claim 84, wherein said C35 peptide
epitope is amino acids S-21 to Y-29 of SEQ ID NO:2.

91 (New). A fusion protein according to claim 84, wherein said C35 peptide epitope is amino acids S-21 to F-35 of SEQ ID NO:2.

92 (New). A fusion protein according to claim 84, wherein said C35 peptide epitope is amino acids G-22 to C-30 of SEQ ID NO:2.

93 (New). A fusion protein according to claim 84, wherein said C35 peptide epitope is amino acids I-25 to C-30 of SEQ ID NO:2.

94 (New). A fusion protein according to claim 84, wherein said C35 peptide epitope is amino acids C-30 to T-38 of SEQ ID NO:2.

95 (New). A fusion protein according to claim 84, wherein said C35 peptide epitope is amino acids E-31 to Y-39 of SEQ ID NO:2.

96 (New). A fusion protein according to claim 84, wherein said C35 peptide epitope is amino acids E-36 to A-43 of SEQ ID NO:2.

97 (New). A fusion protein according to claim 84, wherein said C35 peptide epitope is amino acids A-37 to A-45 of SEQ ID NO:2.

98 (New). A fusion protein according to claim 84, wherein said C35 peptide epitope is amino acids Y-39 to V-46 of SEQ ID NO:2.

99 (New). A fusion protein according to claim 84, wherein said C35 peptide epitope is amino acids S-44 to I-53 of SEQ ID NO:2.

100 (New). A fusion protein according to claim 84, wherein said C35 peptide epitope is amino acids A-45 to I-53 of SEQ ID NO:2.

101 (New). A fusion protein according to claim 84, wherein said C35 peptide epitope is amino acids G-52 to L-59 of SEQ ID NO:2.

102 (New). A fusion protein according to claim 84, wherein said C35 peptide epitope is amino acids E-54 to T-62 of SEQ ID NO:2.

103 (New). A fusion protein according to claim 84, wherein said C35 peptide epitope is amino acids S-57 to F-75 of SEQ ID NO:2.

104 (New). A fusion protein according to claim 84, wherein said C35 peptide epitope is amino acids G-61 to I-69 of SEQ ID NO:2.

105 (New). A fusion protein according to claim 84, wherein said C35 peptide epitope is amino acids F-65 to L-73 of SEQ ID NO:2.

106 (New). A fusion protein according to claim 84, wherein said C35 peptide epitope is amino acids E-66 to L-73 of SEQ ID NO:2.

107 (New). A fusion protein according to claim 84, wherein said C35 peptide epitope is amino acids E-66 to V-74 of SEQ ID NO:2.

108 (New). A fusion protein according to claim 84, wherein said C35 peptide epitope is amino acids I-67 to F-75 of SEQ ID NO:2.

109 (New). A fusion protein according to claim 84, wherein said C35 peptide epitope is amino acids K-77 to Y-85 of SEQ ID NO:2.

110 (New). A fusion protein according to claim 84, wherein said C35 peptide epitope is amino acids Q-72 to E-86 of SEQ ID NO:2.

111 (New). A fusion protein according to claim 84, wherein said C35 peptide epitope is amino acids G-81 to L-89 of SEQ ID NO:2.

112 (New). A fusion protein according to claim 84, wherein said C35 peptide epitope is amino acids F-83 to E-103 of SEQ ID NO:2.

113 (New). A fusion protein according to claim 84, wherein said C35 peptide epitope is amino acids D-88 to A-96 of SEQ ID NO:2.

114 (New). A fusion protein according to claim 84, wherein said C35 peptide epitope is amino acids L-89 to A-96 of SEQ ID NO:2.

115 (New). A fusion protein according to claim 84, wherein said C35 peptide epitope is amino acids R-95 to L-102 of SEQ ID NO:2.

116 (New). A fusion protein according to claim 84, wherein said C35 peptide epitope is amino acids A-96 to K-104 of SEQ ID NO:2.

117 (New). A fusion protein according to claim 84, wherein said C35 peptide epitope is amino acids K-104 to C-112 of SEQ ID NO:2.

118 (New). A fusion protein according to claim 84, wherein said C35 peptide epitope is amino acids K-104 to V-113 of SEQ ID NO:2.

119 (New). A fusion protein according to claim 84, wherein said C35 peptide epitope is amino acids I-105 to V-113 of SEQ ID NO:2.

120 (New). A fusion protein according to claim 84, wherein said C35 peptide epitope is amino acids I-105 to I-114 of SEQ ID NO:2.

121 (New). A fusion protein according to claims 84, wherein said C35 peptide epitope is linked to a heterologous epitope.

122 (New). An isolated C35 peptide epitope, wherein said C35 peptide epitope is a peptide epitope listed in any of Tables 1-6.

123 (New). An isolated C35 peptide epitope selected from the group consisting of: amino acids S-9 to V-17 of SEQ ID NO:2, amino acids V-10 to V-17 of SEQ ID NO:2, amino acids E-16 to V-23 of SEQ ID NO:2, amino acids E-16 to R-24 of SEQ ID NO:2, amino acids E-16 to I-25 of SEQ ID NO:2, amino acids S-21 to Y-29 of SEQ ID NO:2, amino acids S-21 to F-35 of SEQ ID NO:2, amino acids G-22 to C-30 of SEQ ID NO:2, amino acids I-25 to C-30 of SEQ ID NO:2, amino acids C-30 to T-38 of SEQ ID NO:2, amino acids E-31 to Y-39 of SEQ ID NO:2, amino acids E-36 to A-43 of SEQ ID NO:2, amino acids A-37 to A-45 of SEQ ID NO:2, amino acids A-37 to V-46 of SEQ ID NO:2, amino acids T-38 to V-46 of SEQ ID NO:2, amino acids Y-39 to V-46 of SEQ ID NO:2, amino acids S-44 to I-53 of SEQ ID NO:2, amino acids A-45 to I-53 of SEQ ID NO:2, amino acids G-52 to L-59 of SEQ ID NO:2, amino acids E-54 to T-62 of SEQ ID NO:2, amino acids S-57 to F-75 of SEQ ID NO:2, amino acids R-58 to I-67 of SEQ ID NO:2, amino acids G-61 to I-69 of SEQ ID NO:2, amino acids G-63 to F-83 of SEQ ID NO:2, amino acids F-65 to L-73 of SEQ ID NO:2, amino acids E-66 to L-73 of SEQ ID NO:2, amino acids E-66 to V-74 of SEQ ID NO:2, amino acids I-67 to F-75 of SEQ ID NO:2, amino acids K-77 to Y-85 of SEQ ID NO:2, amino acids Q-72 to E-86 of SEQ ID NO:2, amino acids G-81 to L-89 of SEQ ID NO:2, amino acids F-83 to E-103 of SEQ ID NO:2, amino acids D-88 to A-96 of SEQ ID NO:2, amino acids L-89 to A-96 of SEQ ID NO:2, amino acids A-92 to T-101 of SEQ ID NO:2, amino acids R-95 to L-102 of SEQ ID NO:2, amino acids A-96 to K-104 of SEQ ID NO:2, amino acids K-104 to C-112 of SEQ ID NO:2, amino acids K-104 to V-113 of SEQ ID NO:2, amino acids I-105 to V-113 of SEQ ID NO:2, amino acids I-105 to I-114 of SEQ ID NO:2.

Sub
F3

E11

124 (New). An isolated C35 peptide epitope according to claim 123, wherein said C35 peptide epitope is amino acids S-9 to V-17 of SEQ ID NO:2.

125 (New). An isolated C35 peptide epitope according to claim 123, wherein said C35 peptide epitope is amino acids V-10 to V-17 of SEQ ID NO:2.

126 (New). An isolated C35 peptide epitope according to claim 123, wherein said C35 peptide epitope is amino acids E-16 to V-23 of SEQ ID NO:2.

127 (New). An isolated C35 peptide epitope according to claim 123, wherein said C35 peptide epitope is amino acids E-16 to R-24 of SEQ ID NO:2.

Σ 1
128 (New). An isolated C35 peptide epitope according to claim 123, wherein said C35 peptide epitope is amino acids E-16 to I-25 of SEQ ID NO:2.

129 (New). An isolated C35 peptide epitope according to claim 123, wherein said C35 peptide epitope is amino acids ~~S~~-21 to Y-29 of SEQ ID NO:2.

130 (New). An isolated C35 peptide epitope according to claim 123, wherein said C35 peptide epitope is amino acids S-21 to F-35 of SEQ ID NO:2.

131 (New). An isolated C35 peptide epitope according to claim 123, wherein said C35 peptide epitope is amino acids G-22 to C-30 of SEQ ID NO:2.

132 (New). An isolated C35 peptide epitope according to claim 123, wherein said C35 peptide epitope is amino acids I-25 to C-30 of SEQ ID NO:2.

133 (New). An isolated C35 peptide epitope according to claim 123, wherein said C35 peptide epitope is amino acids C-30 to T-38 of SEQ ID NO:2.

134 (New). An isolated C35 peptide epitope according to claim 123, wherein said C35 peptide epitope is amino acids E-31 to Y-39 of SEQ ID NO:2.

135 (New). An isolated C35 peptide epitope according to claim 123, wherein said C35 peptide epitope is amino acids E-36 to A-43 of SEQ ID NO:2.

136 (New). An isolated C35 peptide epitope according to claim 123, wherein said C35 peptide epitope is amino acids A-37 to A-45 of SEQ ID NO:2.

137 (New). An isolated C35 peptide epitope according to claim 123, wherein said C35 peptide epitope is amino acids Y-39 to V-46 of SEQ ID NO:2.

138 (New). An isolated C35 peptide epitope according to claim 123, wherein said C35 peptide epitope is amino acids S-44 to I-53 of SEQ ID NO:2.


139 (New). An isolated C35 peptide epitope according to claim 123, wherein said C35 peptide epitope is amino acids A-45 to I-53 of SEQ ID NO:2.

140 (New). An isolated C35 peptide epitope according to claim 123, wherein said C35 peptide epitope is amino acids G-52 to L-59 of SEQ ID NO:2.

141 (New). An isolated C35 peptide epitope according to claim 123, wherein said C35 peptide epitope is amino acids E-54 to T-62 of SEQ ID NO:2.

142 (New). An isolated C35 peptide epitope according to claim 123, wherein said C35 peptide epitope is amino acids S-57 to F-75 of SEQ ID NO:2.

143 (New). An isolated C35 peptide epitope according to claim 123, wherein said C35 peptide epitope is amino acids G-61 to I-69 of SEQ ID NO:2.

 144 (New). An isolated C35 peptide epitope according to claim 123, wherein said C35 peptide epitope is amino acids F-65 to L-73 of SEQ ID NO:2.

145 (New). An isolated C35 peptide epitope according to claim 123, wherein said C35 peptide epitope is amino acids E-66 to L-73 of SEQ ID NO:2.

146 (New). An isolated C35 peptide epitope according to claim 123, wherein said C35 peptide epitope is amino acids E-66 to V-74 of SEQ ID NO:2.

147 (New). An isolated C35 peptide epitope according to claim 123, wherein said C35 peptide epitope is amino acids I-67 to F-75 of SEQ ID NO:2.

- 19 -

ZAUDERER *et al.*
Appl. No. 09/824,787

148 (New). An isolated C35 peptide epitope according to claim 123, wherein said C35 peptide epitope is amino acids K-77 to Y-85 of SEQ ID NO:2.

149 (New). An isolated C35 peptide epitope according to claim 123, wherein said C35 peptide epitope is amino acids Q-72 to E-86 of SEQ ID NO:2.

150 (New). An isolated C35 peptide epitope according to claim 123, wherein said C35 peptide epitope is amino acids G-81 to L-89 of SEQ ID NO:2.

151 (New). An isolated C35 peptide epitope according to claim 123, wherein said C35 peptide epitope is amino acids F-83 to E-103 of SEQ ID NO:2.

EN 152 (New). An isolated C35 peptide epitope according to claim 123, wherein said C35 peptide epitope is amino acids D-88 to A-96 of SEQ ID NO:2.

153 (New). An isolated C35 peptide epitope according to claim 123, wherein said C35 peptide epitope is amino acids L-89 to A-96 of SEQ ID NO:2.

154 (New). An isolated C35 peptide epitope according to claim 123, wherein said C35 peptide epitope is amino acids R-95 to L-102 of SEQ ID NO:2.

155 (New). An isolated C35 peptide epitope according to claim 123, wherein said C35 peptide epitope is amino acids A-96 to K-104 of SEQ ID NO:2.

- 20 -

ZAUDERER *et al.*
Appl. No. 09/824,787

156 (New). An isolated C35 peptide epitope according to claim 123, wherein said C35 peptide epitope is amino acids K-104 to C-112 of SEQ ID NO:2.

157 (New). An isolated C35 peptide epitope according to claim 123, wherein said C35 peptide epitope is amino acids K-104 to V-113 of SEQ ID NO:2.

158 (New). An isolated C35 peptide epitope according to claim 123, wherein said C35 peptide epitope is amino acids I-105 to V-113 of SEQ ID NO:2.

159 (New). An isolated C35 peptide epitope according to claim 123, wherein said C35 peptide epitope is amino acids I-105 to I-114 of SEQ ID NO:2.

160 (New). An isolated polypeptide comprising at least one C35 peptide epitope analog.

161 (New). An isolated polypeptide according to claim 160, wherein said at least one C35 peptide epitope analog is a peptide epitope analog listed in Table 4.

162 (New). A fusion polypeptide comprising at least one C35 peptide epitope analog.

163. A composition comprising an isolated polypeptide according to any one of claims 38-46 or 160-161 and a pharmaceutically acceptable carrier.

- 21 -

ZAUDERER *et al.*
Appl. No. 09/824,787

164. A composition comprising a fusion protein according to any one of claims 83, 84 or 162 and a pharmaceutically acceptable carrier.

165. A composition comprising a fusion protein according to claim 121 and a pharmaceutically acceptable carrier.

E'l

166. A composition comprising an isolated C35 peptide epitope according to claim 122 or 123 and a pharmaceutically acceptable carrier.

Add F4